

WHAT IS CLAIMED IS:

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1. A method for making a roll for a rotary printing press, the method comprising:
cutting a first strip of a first material so as to form a first web with a plurality of first tabs disposed one after the other and extending from the first web;
bending the plurality of first tabs relative to the first web so as to form a first strut strip having the first tabs extending from the first web at an angle relative to a surface of the first web; and
wrapping the first strut strip about a cylindrical form, the strut strip following a helical path about the cylindrical form.
2. The method as recited in claim 1 further comprising gluing adjacent wraps of the first web to each other.
3. The method as recited in claim 1 further comprising welding adjacent wraps of the first web to each other.
4. The method as recited in claim 1 further comprising wrapping a second strip of a second material about the cylindrical form so as to form a substrate for the first web.
5. The method as recited in claim 4 further comprising applying a layer of an adhesive to the substrate before the wrapping the first web.
6. The method as recited in claim 4 wherein the substrate forms an inner wall of the roll.
7. The method as recited in claim 1 wherein the first web forms an inner wall of the roll.

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8. The method as recited in claim 1 further comprising wrapping a third strip of a third material about projecting ends of the plurality of first tabs so as to form a cylindrical outer wall disposed at a distance from the wrapped first web, the plurality of first tabs extending between the wrapped first web and the wrapped third strip.

9. The method as recited in claim 1 wherein the bending is performed so as to form a plurality of straight first tabs extending at an acute angle from the surface of the first web and a plurality of bent first tabs extending generally perpendicularly from the surface of the first web, the plurality of bent first tabs including respective bent end portions extending generally parallel to the surface of the first web and away from the straight first tabs, wherein the straight and bent first tabs project from the first web in an alternating fashion.

10. The method as recited in claim 9 further comprising:

cutting a fourth strip of a fourth material so as to form a second web with a plurality of second tabs disposed one after the other and extending from the second web;

bending the plurality of second tabs relative to the second web so as to form a second strut strip with the plurality of second tabs extending from the second web at an angle relative to a surface of the second web, the bending being performed so as to form a plurality of straight second tabs extending at an acute angle from the surface of the second web and a plurality of bent second tabs extending generally perpendicularly from the surface of the second web, the plurality of bent second tabs including respective bent end portions extending generally parallel to the surface of the second web and away from the straight second tabs, wherein the straight and bent second tabs project from the second web in an alternating fashion; and

wrapping the second strut strip about the cylindrical form, the second strut strip following the helical path about the cylindrical form.

11. The method as recited in claim 10 further comprising wrapping a fifth strip of a fifth material about the form before the wrapping the first strut strip and the second strut strip

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so as to form an inner wall of the roll.

12. The method as recited in claim 10 wherein the wrapping the first strut strip and the wrapping the second strut strip are performed so as to interlock the straight first and second tabs in an alternating fashion with the respective bent end portions of the bent first tabs extending away from the respective bent end portions of the bent second tabs.

13. The method as recited in claim 10 further comprising, before the wrapping the first strut strip and the wrapping the second strut strip, disposing the first strut strip and the second strut strip so as to interlock the straight first and second tabs in an alternating fashion, the respective bent end portions of the bent first tabs extending away from the respective bent end portions of the bent second tabs.

14. The method as recited in claim 13 further comprising disposing a sixth strip of a sixth material at the first and second webs before the wrapping the first strut strip and the wrapping the second strut strip.

15. The method as recited in claim 13 further comprising disposing a seventh strip of a seventh material at the bent second and fourth tabs before the wrapping the first strut strip and the wrapping the second strut strip.

16. The method as recited in claim 13 further comprising, before the wrapping the first strut strip and the wrapping the second strut strip:

disposing a sixth strip of a sixth material at the first and second webs; and
disposing a seventh strip of a seventh material at the bent second and fourth tabs.

17. A roll for a rotary printing press, the roll comprising:
a first web disposed along a helical path; and
a plurality of first tabs disposed one after the other on the first web and extending

from the first web at an angle relative to a surface of the first web.

18. The roll as recited in claim 17 wherein the first web forms at part of an inner wall of the roll and further comprising an outer wall disposed at ends of the plurality of first tabs, the plurality of first tabs extending between the inner wall and the outer wall.

19. The roll as recited in claim 17 wherein the plurality of first tabs includes a plurality of straight first tabs extending at an acute angle from a surface of the first web and a plurality of bent first tabs extending generally perpendicularly from the surface of the first web and having respective bent end portions extending generally parallel to the surface of the first web and away from the straight first tabs, wherein the straight and bent first tabs project from the first web in an alternating fashion, and further comprising:

a second web disposed along the helical path; and

a plurality of second tabs disposed one after the other and extending from the web at an angle relative to a surface of the second web, the plurality of second tabs including a plurality of straight second tabs extending at an acute angle from the surface of the second web and a plurality of bent second tabs extending generally perpendicularly from the surface of the second web, the plurality of bent second tabs including respective bent end portions extending generally parallel to the surface of the second web and away from the straight second tabs, wherein the straight and bent second tabs project from the second web in an alternating fashion;

wherein the first web and the second web are disposed so that the straight first and second tabs interlock in an alternating fashion; the respective bent end portions of the bent first tabs extending away from the respective bent end portions of the bent second tabs.

20. The roll as recited in claim 19 further comprising:

an outer wall disposed at respective second surfaces of the first and second webs;

and

an inner wall disposed at respective surfaces of the first and second bent tabs;

wherein the plurality of first and second tabs extend between the outer and inner walls.

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